

RECLAMATION

Managing Water in the West

Summitville Mine, Colorado

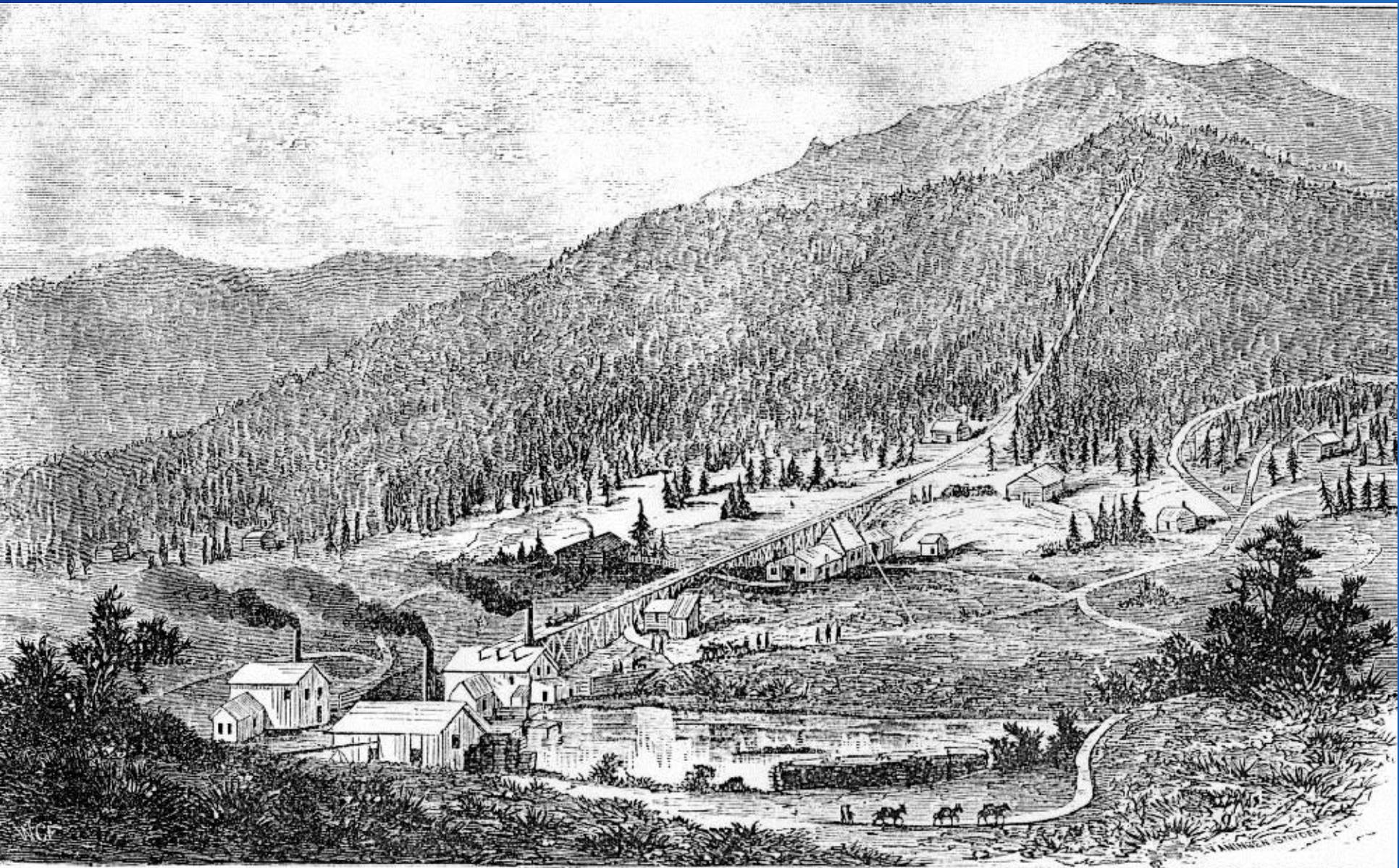
Emergency Repair of the Dam Diversion Channel

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U.S. Department of the Interior
Bureau of Reclamation





SOUTH MOUNTAIN AND LITTLE ANNIE MINING CAMP, SUMMIT DISTRICT, COLORADO.

Summitville Mine Site



Site Reclamation Design

Slope excavation & pit backfill

Grade mine waste to 3H:1V slopes

Construct over 5 miles of riprap ditches

Neutralize surface - 130 tons/ac limestone

Amend with 40 tons/ac organic compost

Pace 6" topsoil cover

Neutralize topsoil 20 to 80 tons/ac limestone

Acid tolerant native grass seed to revegetate.

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Used Native Species



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Materials to Reclaim 350 Acres

- 80,000 cubic yards of riprap
- 70,000 square yards geotextile & membrane
- 52,000 tons limestone amendment
- 14,000 tons organic compost amendment
- 50 tons N and P fertilizers
- 3 tons native seed
- \$20 million project, constructed 1999-2002

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Summitville in 2001



Wightman Fork Creek Diversion







06/06/2007





Erosion Failure Event



What do we do!



Remove the Knob!







3H:1V Slope Fill installed





October 25, 2012



Finally making progress Nov. 8



2012/11/08 12:20

You Can Not Grout On Snow



Nov. 30, Concrete work is Done!





Mid December



Questions

